查询REC10供应商

Features

Regulated Converters

- 10W 1"x 2" Package (50.8x25.4x11.27mm)
- 1kVDC Isolation
- Wide Input 2:1 & 4:1
- Regulated Output
- UL94V-0 Package Material
- Continuous Short Circuit Protection
- Remote ON/OFF-Control for Single Types
- Efficiency to 82%

Selection Guide

Part Number 1" x 2"	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Efficiency (%)
REC10-xx05SRWL	9-18, 18-36, 36-72	5	2.000	78
REC10-xx12SRWL	9-18, 18-36, 36-72	12	830	81
REC10-xx15SRWL	9-18, 18-36, 36-72	15	670	81
REC10-xx24SRWL	9-18, 18-36, 36-72	24	416	82
REC10-xx05DRWL	9-18, 18-36, 36-72	±5	±1.000	78
REC10-xx12DRWL	9-18, 18-36, 36-72	±12	±416	81
REC10-xx15DRWL	9-18, 18-36, 36-72	±15	±333	82
REC10-xx05SRWLZ	9-36, 18-72	5	2.000	79
REC10-xx12SRWLZ	9-36, 18-72	12	830	80
REC10-xx15SRWLZ	9-36, 18-72	15	670	81
REC10-xx24SRWLZ	9-36, 18-72	24	416	79
REC10-xx05DRWLZ	9-36, 18-72	±5	±1.000	78
REC10-xx12DRWLZ	9-36, 18-72	±12	±416	81
REC10-xx15DRWLZ	9-36, 18-72	±15	±333	81

2:1
xx = 9-18Vin = 12
xx = 18-36Vin = 24
xx = 36-72Vin = 48

4:1
xx = 9-36Vin = 24
xx = 18-72Vin = 48

* add suffix "CTRL" for optional Remote ON/OFF-Control

Specifications (Core Operating Area)

Input Voltage Range		2:1 & 4:1
Output Voltage Accuracy		±2% max.
Line Voltage Regulation		±0.2% max.
Load Voltage Regulation (10% to 100% full load)		±0.2% max.
Output Ripple and Noise (at 20MHz BW)		100mVp-p max.
Operating Frequency		200kHz typ.
Efficiency at Full Load		75% max.
Isolation Voltage	(tested for 1 second)	1.000VDC min.
Rated Working Voltage	(long term isolation)	see Application Notes
Isolation Capacitance		500pF max
Isolation Resistance		1 GΩ min.
Short Circuit Protection		Continuous
Operating Temperature Range (free air convection)		-25°C to +70°C (see Graph)
Storage Temperature Range		-55°C to +100°C
Relative Humidity	MSL Level 1	95% RH
Case Material		Metal Case
Package Weight		31.2 g
MTBF (+25°C) *Detailed Information see*	using MIL-HDBK 217F	700 x 10^3 hours
(+70°C) *Application Notes chapter "MTBF"*	using MIL-HDBK 217F	560 x 10^3 hours

ECONOLINE

DC/DC-Converter

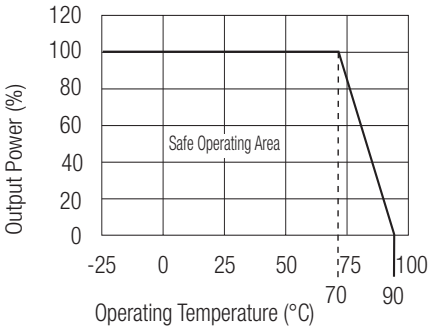
REC10-S_DRWL(Z) Series

10 Watt 1" x 2" Single & Dual Output

RECOM

Derating-Graph

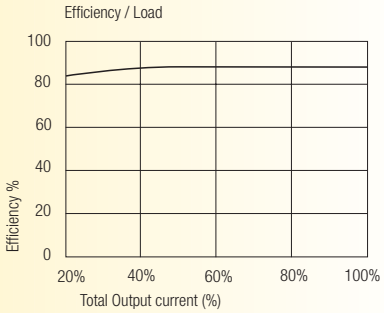
(Ambient Temperature)



REC10-S_DRWL(Z) Series

Typical Characteristics

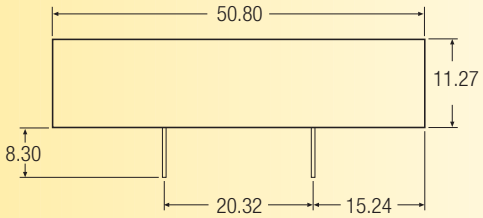
REC10 - types

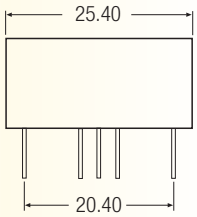


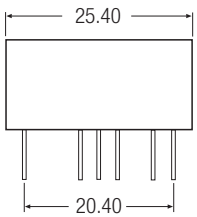
Package Style and Pinning (mm) 1" x 2" , Wide Input 2:1 & 4:1

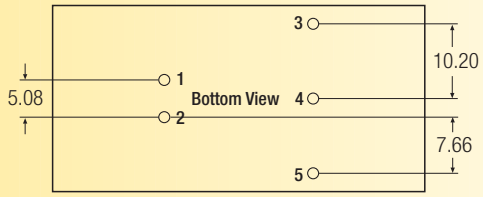
1" x 2" PIN Package

3rd angle projection

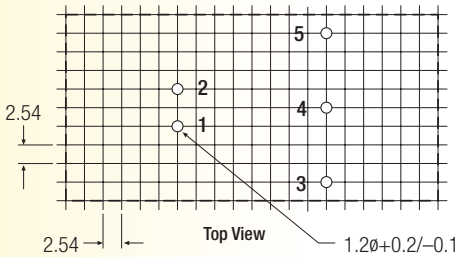








Recommended Footprint Details



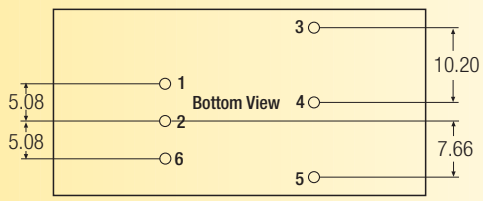
Pin Connections

Pin #	Single	Dual
1	+ Vin	+ Vin
2	– Vin	– Vin
3	+ Vout	+ Vout
4	No Pin	Com
5	– Vout	– Vout

XX.X ± 0.5 mm
XX.XX ± 0.25 mm

REC10-Series also available with Remote ON/OFF - Control

For detailed information please contact your RECOM representative.



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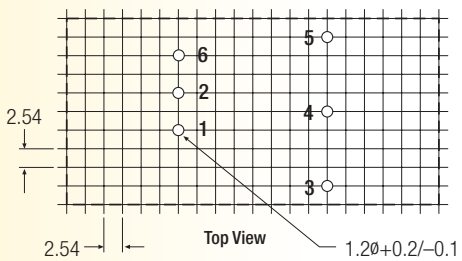

Pin Connections

Pin #	Single
1	+ Vin
2	– Vin
3	+ Vout
4	No Pin
5	– Vout
6	Remote ON/OFF

XX.X ± 0.5 mm
XX.XX ± 0.25 mm